

NEBRASKA WEATHER & CROPS



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For Week Ending June 11, 2000

Issue: 15-2000

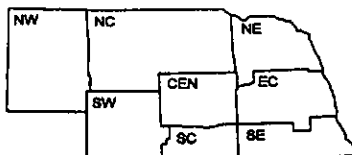
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National Agricultural Statistics Service
U.S. Department of Agriculture
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National Oceanic and Atmospheric Admin.
National Weather Service



Nebraska Department of Agriculture
Division of Agr'l. Statistics
Cooperative Extension Service
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and Natural Resources--UN-L

WEATHER

Temperatures across the State averaged two to six degrees above normals for the week. Precipitation was scattered and generally light, ranging from traces to one and thirty hundredths inches.

GENERAL

Dry, hot weather last week continued to stress all crops according to the Nebraska Agricultural Statistics Service. Gusty winds continued to dry soils and move the wheat crop toward an early harvest. Producer activities included scouting for insects, weed control, hay harvesting, and irrigation.

CROPS

The winter wheat crop condition declined last week and rated 17% very poor, 29% poor, 31% fair, 21% good, and 2% excellent. As of Sunday, 71% of the crop had turned color, about two weeks ahead of last year's 14% and the five-year average at 7%. About 10% of the crop was ripe, also about two weeks ahead of average. A few acres have been harvested for grain along the Kansas border in the southeast district, some other fields were reportedly taken for hay.

Corn condition was rated 7% very poor, 14% poor, 34% fair, 37% good, and 8% excellent. Irrigated corn was rated at 53% good to excellent while dryland corn rated 33% good to excellent. Producers with pivot irrigation systems applied water as needed

CROPS Cont.

while gravity flow operations put on water when the crop height permitted.

Soybean condition declined again last week and rated 5% very poor, 20% poor, 40% fair, 30% good, and 5% excellent.

Sorghum planting was virtually complete at 98% seeded, well ahead of last year and average at 79%. About 87% had emerged, well ahead of 54% last year and 53% average. Condition was rated at 6% very poor, 22% poor, 52% fair, and 20% good.

Oat condition declined and rated 9% very poor, 28% poor, 38% fair, 24% good, and 1% excellent. Heading was well ahead of average at 64%, compared to 37% last year and 20% average.

Dry bean planting was 85% complete, ahead of 77% last year and 55% average. Condition was rated at 3% very poor, 12% poor, 35% fair, 47% good, and 3% excellent.

Alfalfa harvest was 84% complete, compared to 69% last year and 43% for the average. Alfalfa weevils have caused some problems with producers either spraying for control or cutting and harvesting for control. Condition of the crop declined and was rated at 16% very poor, 32% poor, 30% fair, 18% good, and 4% excellent. Wild hay condition rated 16% very poor, 31% poor, 38% fair, 14% good, and 1% excellent.

LIVESTOCK, PASTURE & RANGE

Pasture and range condition declined and rated 21% very poor, 31% poor, 32% fair, 13% good and 3% excellent. Pastures were under stress due to the lack of moisture. Some cattle have been removed from pastures due to poor grass growth and reduced pond water.

| FIELD WORK PROGRESS AS OF JUNE 11, 2000 | | AGRICULTURAL STATISTICS DISTRICTS | | | | | | | STATE | LAST WEEK | LAST YEAR | AVER- AGE | |
|---|--------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-------|--------------|--------------|--------------|----|
| | | NW | NC | NE | C | EC | SW | SC | | | | | SE |
| PER CENT | | | | | | | | | | | | | |
| % Wheat Turning Color | | 19 | 20 | 14 | 86 | 85 | 94 | 90 | 95 | 71 | 36 | 14 | 7 |
| % Wheat Ripe | | 0 | 0 | 0 | 0 | 11 | 15 | 4 | 32 | 10 | 0 | 0 | 0 |
| % Soybeans Emerged | | n/a | 100 | 97 | 97 | 99 | 79 | 99 | 99 | 98 | 92 | 70 | 63 |
| % Sorghum Planted | | n/a | n/a | 97 | 94 | 100 | 90 | 98 | 99 | 98 | 93 | 79 | 79 |
| % Sorghum Emerged | | n/a | n/a | 85 | 83 | 92 | 78 | 83 | 91 | 87 | 79 | 54 | 53 |
| % Dry Beans Planted | | 83 | 100 | 78 | n/a | n/a | 89 | n/a | n/a | 85 | 72 | 77 | 55 |
| % Dry Beans Emerged | | 41 | 95 | 31 | n/a | n/a | 51 | n/a | n/a | 45 | 23 | 46 | 23 |
| % Alfalfa First Cutting | | 32 | 96 | 89 | 99 | 98 | 91 | 96 | 97 | 84 | 66 | 69 | 43 |
| DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF JUNE 9, 2000 | | | | | | | | | | | | | |
| Days Suitable | | 6.7 | 7.0 | 6.2 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.9 | 5.9 | 4.5 | |
| Topsoil Moisture | - Very short | 26 | 45 | 1 | 47 | 51 | 79 | 80 | 86 | 53 | 27 | 0 | |
| | - Short | 44 | 41 | 41 | 50 | 41 | 18 | 20 | 12 | 33 | 29 | 6 | |
| | - Adequate | 30 | 14 | 55 | 3 | 8 | 3 | 0 | 2 | 14 | 42 | 72 | |
| | - Surplus | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 22 | |
| Subsoil Moisture- | - Very Short | 6 | 40 | 49 | 60 | 63 | 51 | 79 | 91 | 55 | 38 | 0 | |
| | - Short | 24 | 42 | 33 | 39 | 32 | 32 | 20 | 7 | 29 | 29 | 5 | |
| | - Adequate | 70 | 18 | 15 | 1 | 3 | 17 | 1 | 2 | 16 | 32 | 81 | |
| | - Surplus | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | |

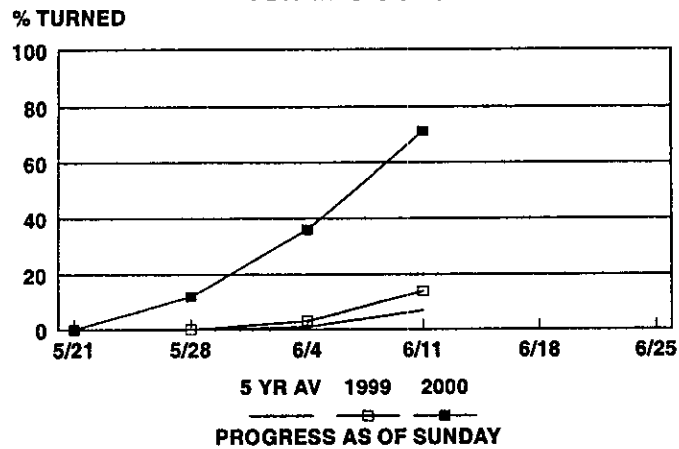
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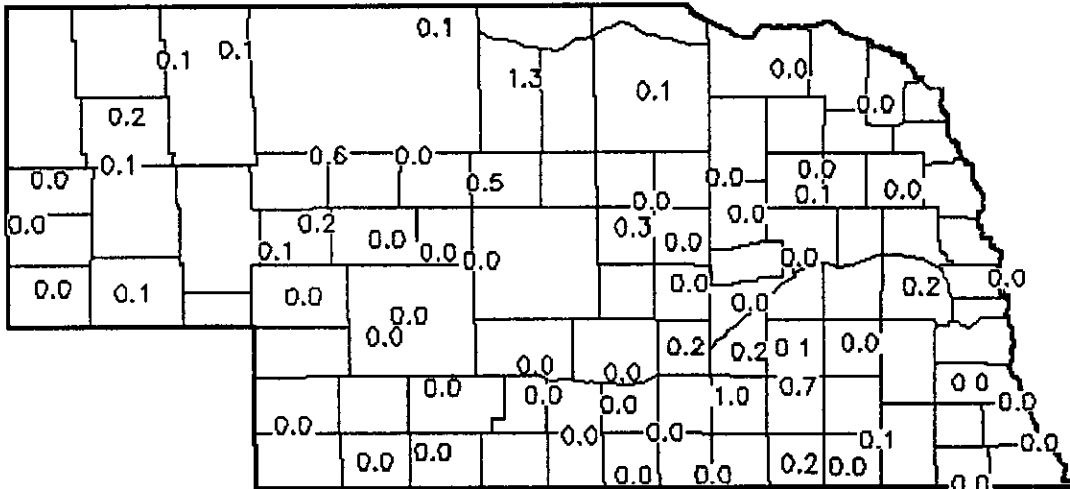
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WINTER WHEAT TURNING COLOR



PRECIPITATION IN INCHES FOR WEEK ENDING JUNE 11, 2000



Source:High Plains Climate Center

PRECIPITATION, APRIL 1 - JUNE 11, 2000

| | NW | NC | NE | CEN | EC | SW | SC | SE |
|--------------------------------|------|------|------|------|------|------|------|------|
| Total past week | .07 | .26 | .02 | .01 | .17 | .01 | .01 | .02 |
| Total since April 1 | 6.37 | 5.62 | 6.69 | 3.92 | 4.32 | 2.66 | 3.17 | 3.15 |
| Normal since April 1 | 5.80 | 6.63 | 7.68 | 7.41 | 8.38 | 6.31 | 7.26 | 8.24 |
| Total as % of normal | 110% | 85% | 87% | 53% | 52% | 42% | 44% | 38% |

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA, WEEK ENDING SUNDAY, JUNE 11, 2000

| Station | | Temperature | | | | Precipitation | Growing Degree Data Since April 15 | | |
|---------|--------------|-------------|-----|------|-----------|-----------------|---------------------------------------|---------|--------|
| | | Extremes | | Mean | Departure | Total Inches | Last Week | Current | Normal |
| | | Max | Min | | | | | | |
| NW | Chadron | 102 | 39 | 70 | --- | T | --- | --- | --- |
| | Scottsbluff | 102 | 42 | 70 | +6 | .01 | 133 | 698 | 573 |
| | Sidney | 99 | 37 | 68 | --- | T | 133 | 692 | 586 |
| NC | Valentine | 102 | 32 | 67 | +2 | .05 | --- | --- | --- |
| | Arthur | --- | --- | --- | --- | --- | 134 | 664 | 615 |
| | O'Neill | --- | --- | --- | --- | --- | 139 | 690 | 664 |
| NE | Norfolk | 98 | 43 | 71 | +3 | .01 | --- | --- | --- |
| | Sioux City | 99 | 45 | 71 | +2 | .02 | --- | --- | --- |
| | Concord | --- | --- | --- | --- | --- | 149 | 754 | 683 |
| | Elgin | --- | --- | --- | --- | --- | 146 | 723 | 685 |
| CEN | West Point | --- | --- | --- | --- | --- | 152 | 797 | 731 |
| | Grand Island | 99 | 40 | 72 | +3 | .01 | 165 | 812 | 698 |
| | Ord | 102 | 39 | 72 | --- | T | 150 | 748 | 690 |
| | Kearney | --- | --- | --- | --- | --- | 154 | 791 | 690 |
| EC | Lincoln | 98 | 46 | 73 | +3 | T | 166 | 898 | 774 |
| | Omaha | 95 | 49 | 72 | +3 | .22 | --- | --- | --- |
| | Central City | --- | --- | --- | --- | --- | 153 | 812 | 710 |
| SW | Mead | --- | --- | --- | --- | --- | 157 | 854 | 762 |
| | Imperial | 106 | 43 | 73 | --- | 0 | --- | --- | --- |
| | North Platte | 104 | 37 | 71 | +6 | .01 | 149 | 782 | 643 |
| SC | Curtis | --- | --- | --- | --- | --- | 152 | 788 | 656 |
| | Holdrege | --- | --- | --- | --- | --- | 151 | 788 | 683 |
| | Red Cloud | --- | --- | --- | --- | --- | 163 | 911 | 709 |
| SE | Beatrice | --- | --- | --- | --- | --- | 159 | 884 | 775 |
| | Clay Center | --- | --- | --- | --- | --- | 152 | 813 | 706 |

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is Max temp + min. temp divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University